

**ABSTRACT OF THE DISCLOSURE:**

A method and an arrangement for managing uplink radio resources in a CDMA telecommunications systems are provided. The arrangement includes: apparatus for determining an interference level into the primary base transceiver station, apparatus for determining a contribution of secondary cell connections to the interference level; apparatus for computing a proportionality factor for adjusting a reference interference level relative to the interference level, the proportionality factor being proportional to the contribution of the secondary cell connections to the interference level; and apparatus for adjusting the reference interference level relative to the interference level by using the proportionality factor. Embodiments of the invention provide increased accuracy in a radio resource control of a CDMA telecommunications system.